

communications system, the other address being a combination of the identifier of the mobile user station and an identifier of the other network node;

such that a network node in the communications system is not required to obtain additional address information to direct a packet associated with a call to or from the mobile user station.

5. (Amended) A method for use in a mobile user station of a packet-based multiaccess communications system, comprising the steps of:

assigning an address to the mobile user station, the address being a combination of an identifier of the mobile user station and an identifier of a network node in the communications system with which the mobile user station is currently associated; and

transferring packets to and from the mobile user station in accordance with the address, such that a network node in the communications system is not required to obtain additional address information to direct a packet to and from the mobile user station;

wherein the address of the mobile user station further includes an application flow identifier, and further wherein the address of the mobile user station is a concatenation of the identifiers of the network node, the mobile user station and the application flow.

6. (Twice Amended) Apparatus in a packet-based multiaccess communications system, comprising:

a mobile user station configured to assign an address to be associated with one or more packets of the mobile user station, the address being a combination of an identifier of the mobile user station and an identifier of a network node in the communications system with which the mobile user station is currently associated, the mobile user station automatically reassigning another address to be associated with one or more packets of the mobile user station when the station becomes associated with another network node of the communications system, the other address being a combination of the identifier of the mobile user station and an identifier of the other network node, such that a network node in the communications system is not required to obtain additional address information to direct a packet associated with a call to or from the mobile user station.

10. (Amended) Apparatus in a packet-based multiaccess communications system, comprising:

BY a mobile user station configured to respond to an address assigned to the mobile user station, the address being a combination of an identifier of the mobile user station and an identifier of a network node in the communications system with which the mobile user station is currently associated such that packets are transferred to and from the mobile user station in accordance with the address and a network node in the communications system is not required to obtain additional address information to direct a packet to and from the mobile user station;

wherein the address of the mobile user station further includes an application flow identifier, and further wherein the address of the mobile user station is a concatenation of the identifiers of the network node, the mobile user station and the application flow.

15. (Amended) A method for use in a network node of a packet-based multiaccess communications system, the communications system including a plurality of mobile user stations, comprising the steps of:

BY assigning an address to the network node, the address being a combination of an identifier of the network node and an identifier of an interface associated with the network node; and

transferring packets to and from the network node in accordance with the address, such that the network node is able to move within the communications system in addition to the plurality of mobile user stations;

wherein the address of the network node further includes an application flow identifier, and further wherein the address of the network node is a concatenation of the identifiers of the network node, the interface of the network node and the application flow.

19. (Amended) Apparatus in a packet-based multiaccess communications system, the communications system including a plurality of mobile user stations, comprising:

BY a network node configured to respond to an address assigned to the network node, the address being a combination of an identifier of the network node and an identifier of an interface associated with the network node such that packets are transferred to and from the network node in accordance

with the address, and the network node is able to move within the communications system in addition to the plurality of mobile user stations;

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Conf wherein the address of the network node further includes an application flow identifier, and further wherein the address of the network node is a concatenation of the identifiers of the network node, the interface of the network node and the application flow.